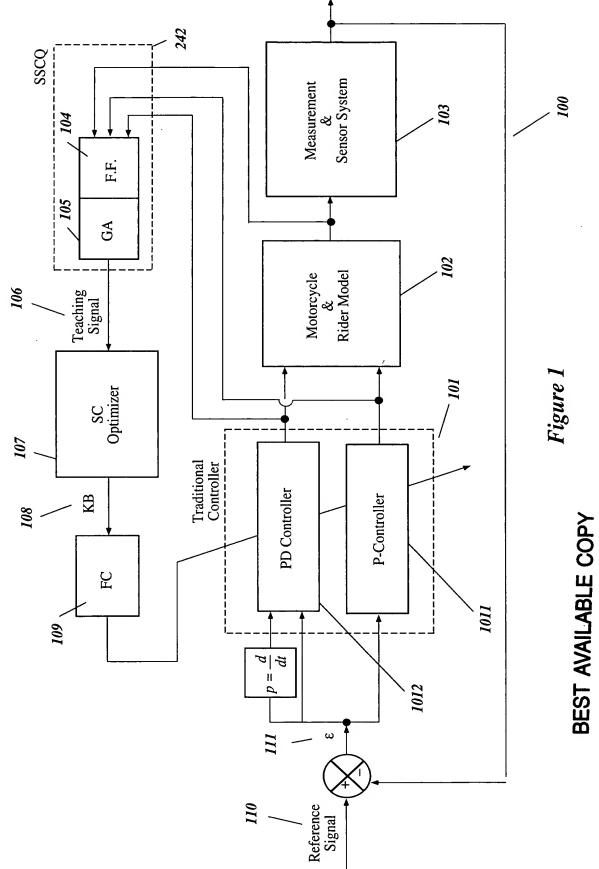
OIPE SON SON

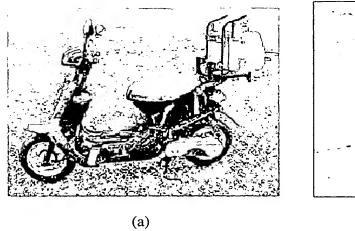
Attorney Docket Number: FY.51395US0A

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Attorney Docket Number: FY.51395US0A
Applicant: Fujii et al.
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR
MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



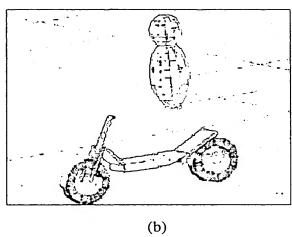
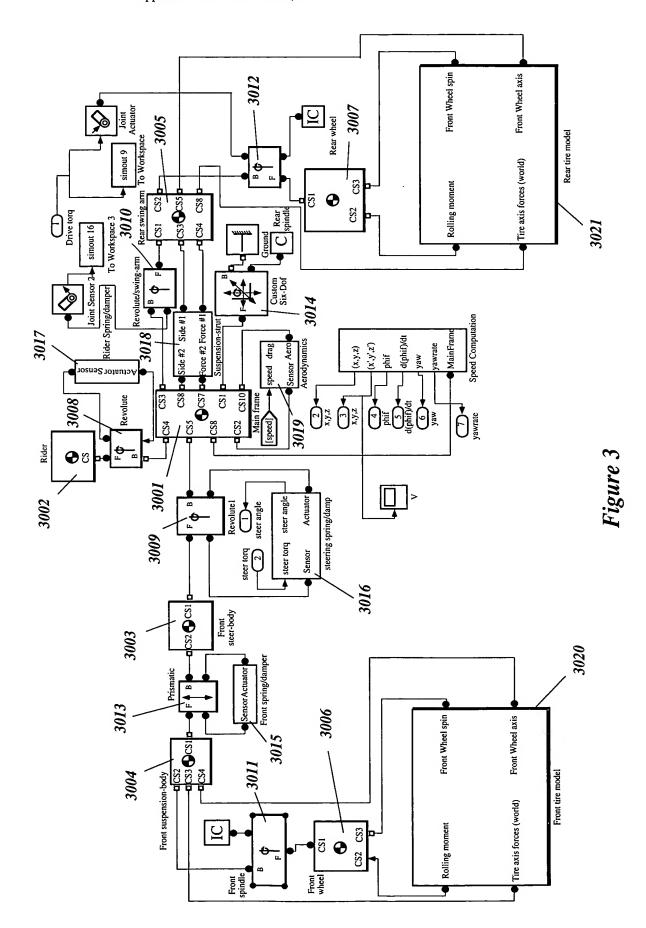


Figure 2

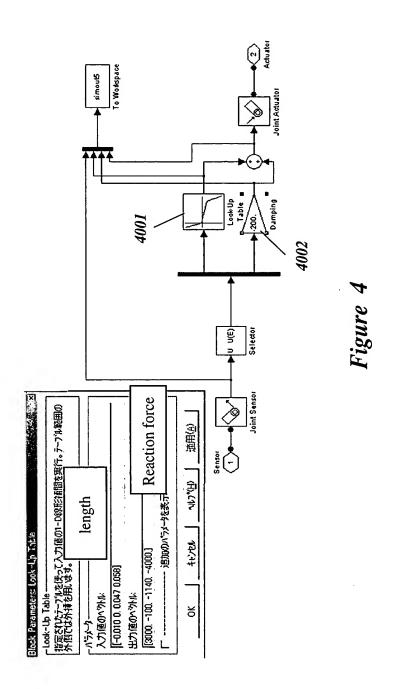
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



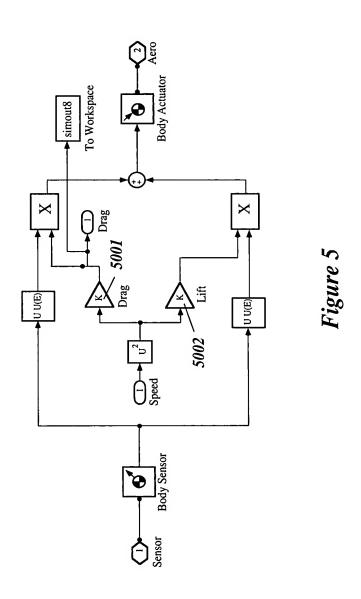
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



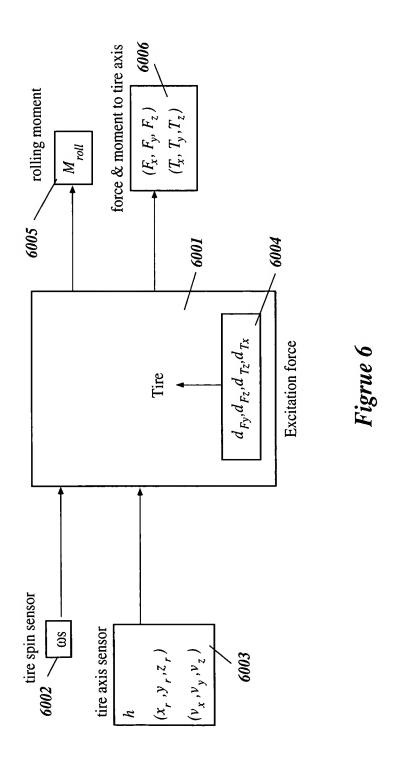
Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

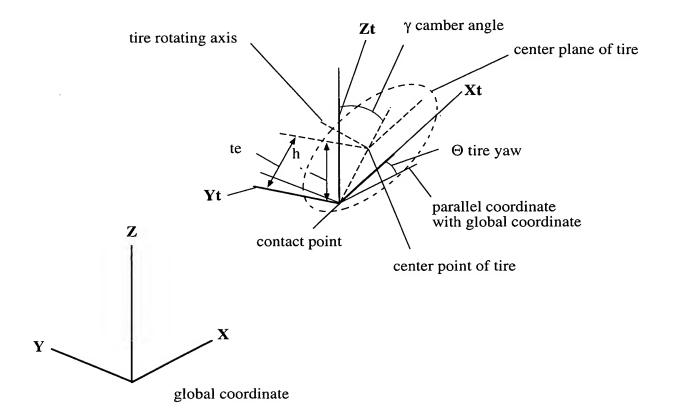
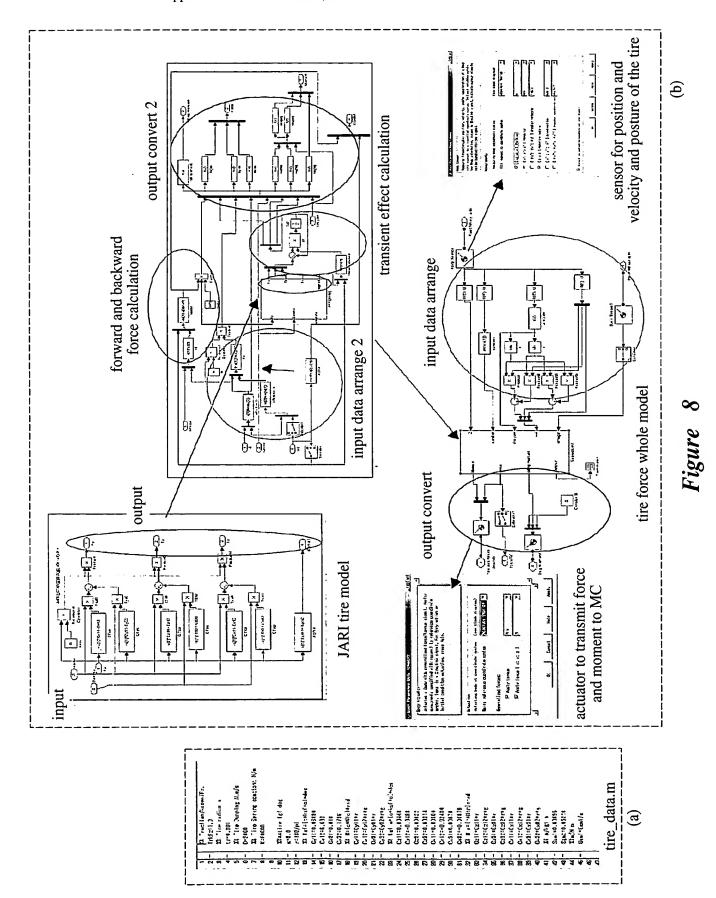


Figure 7

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

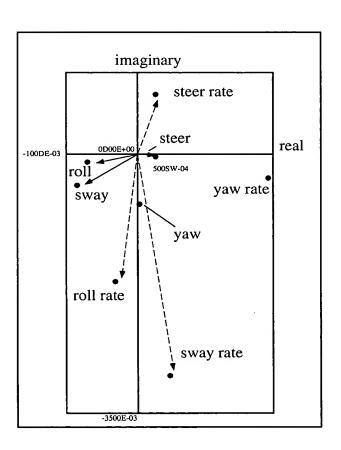


Figure 9

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

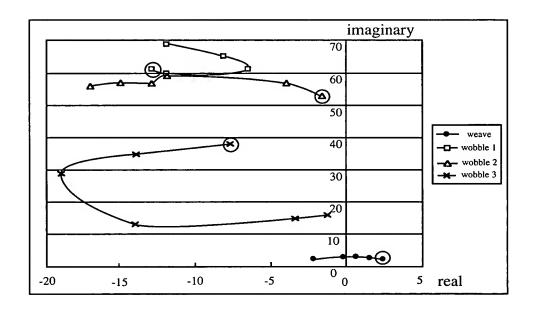
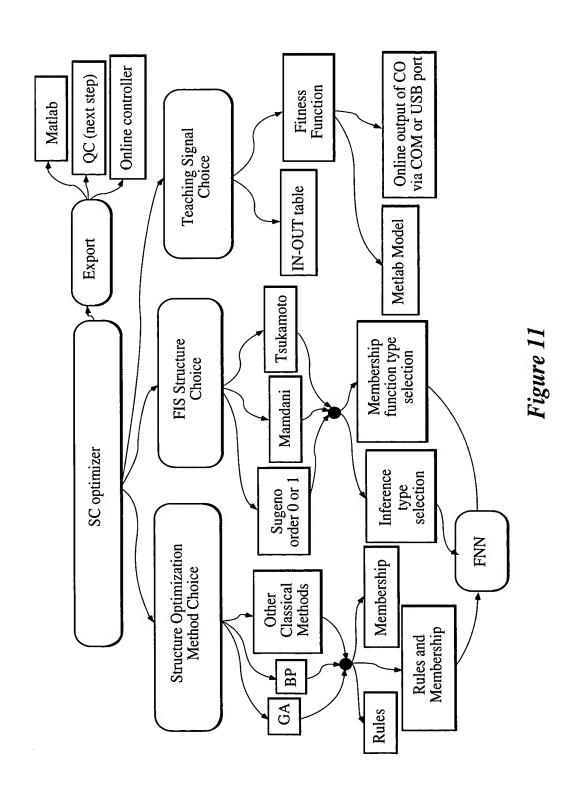


Figure 10

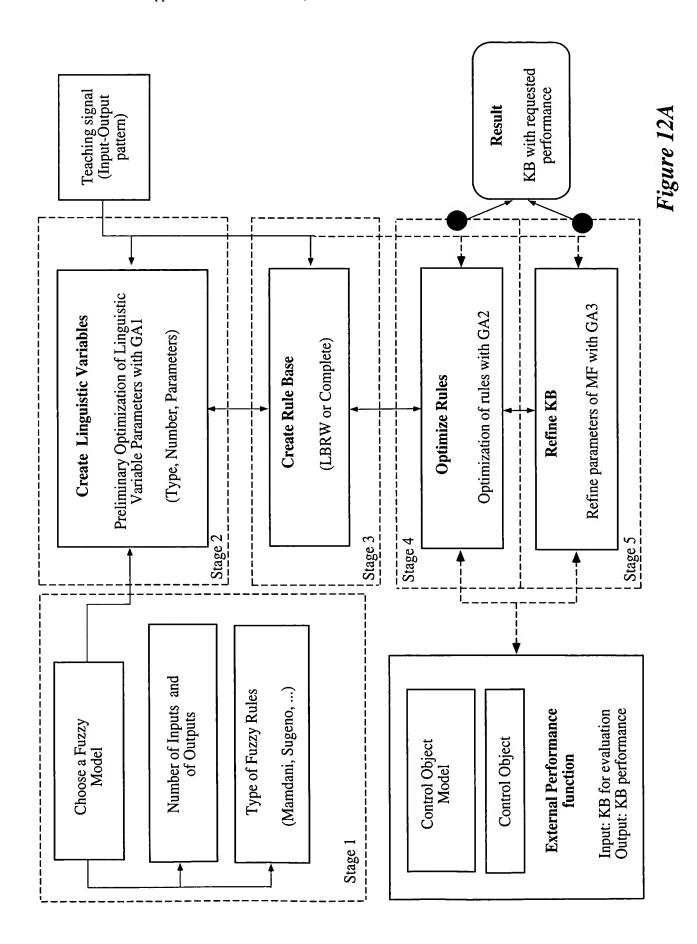
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



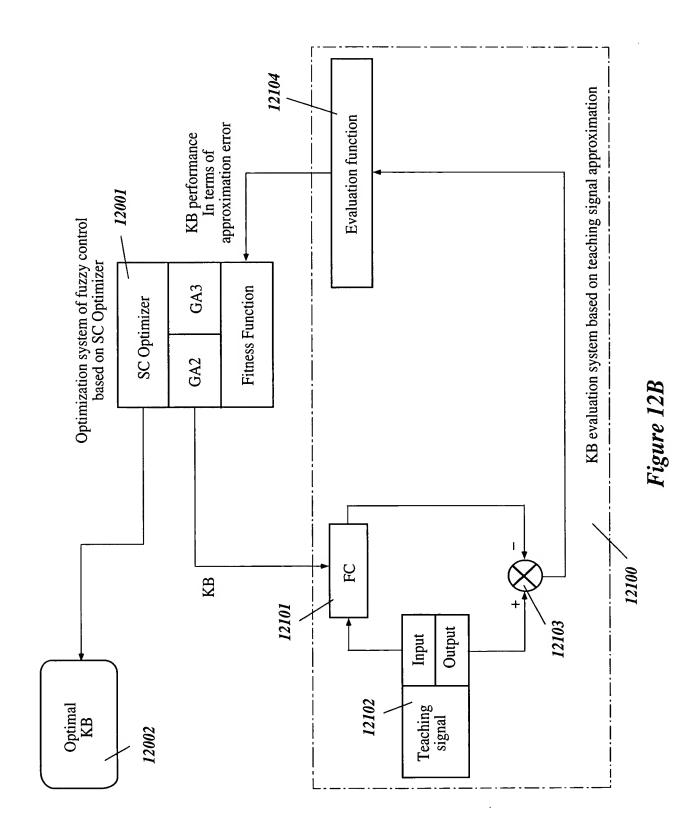
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



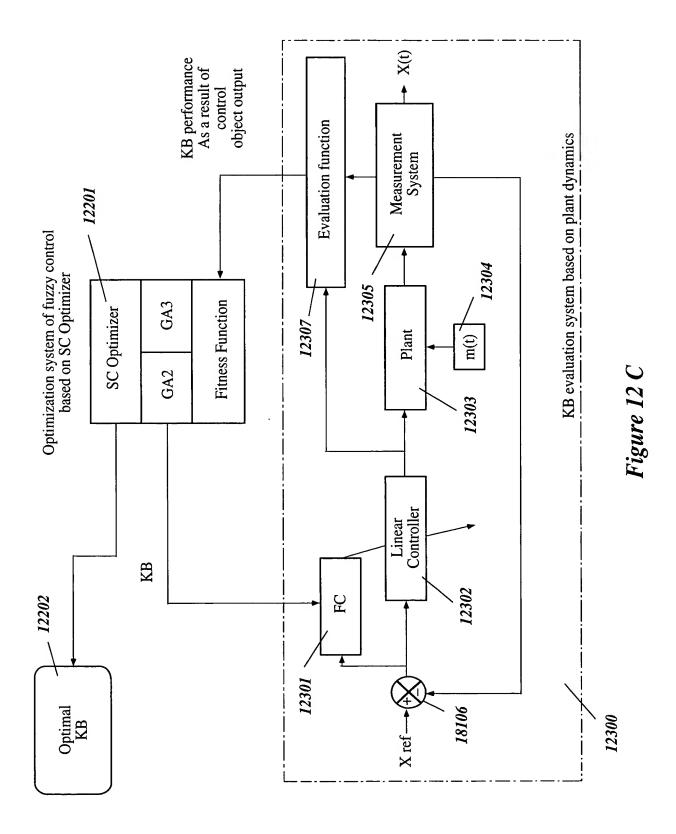
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



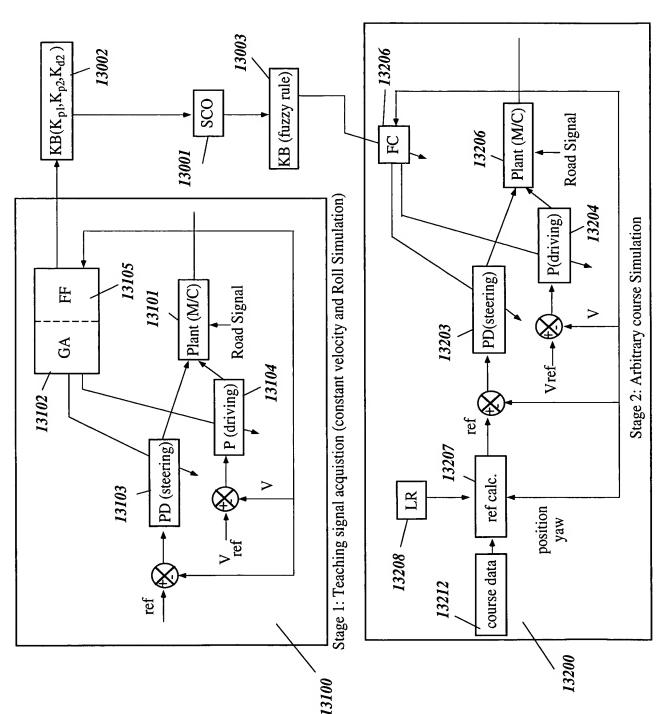
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

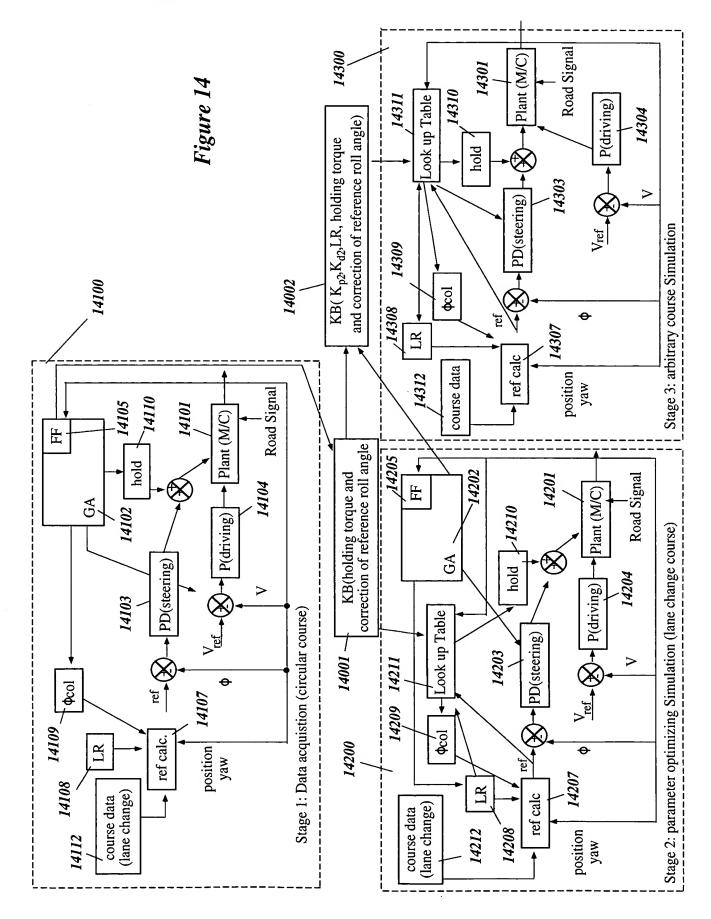
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



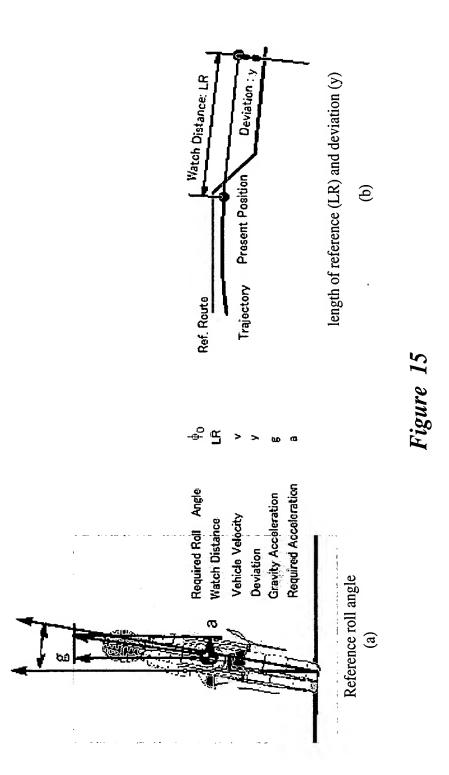
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

MOTORCYCLE USING SOFT COMPUTING OF



Attorney Docket Number: FY.51395US0A
Applicant: Fujii et al.
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR
MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

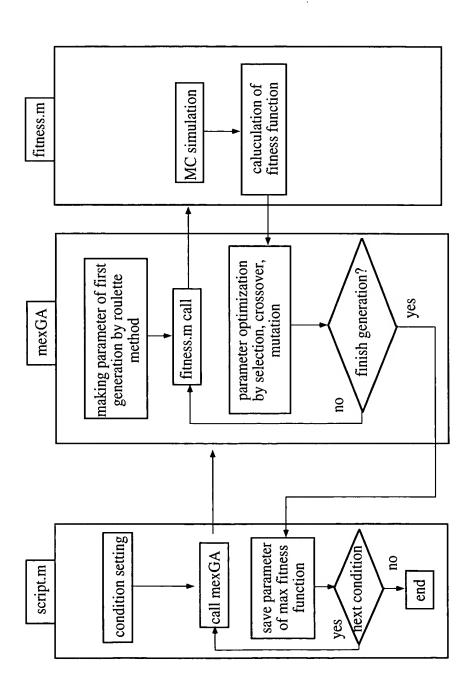


Figure 16

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

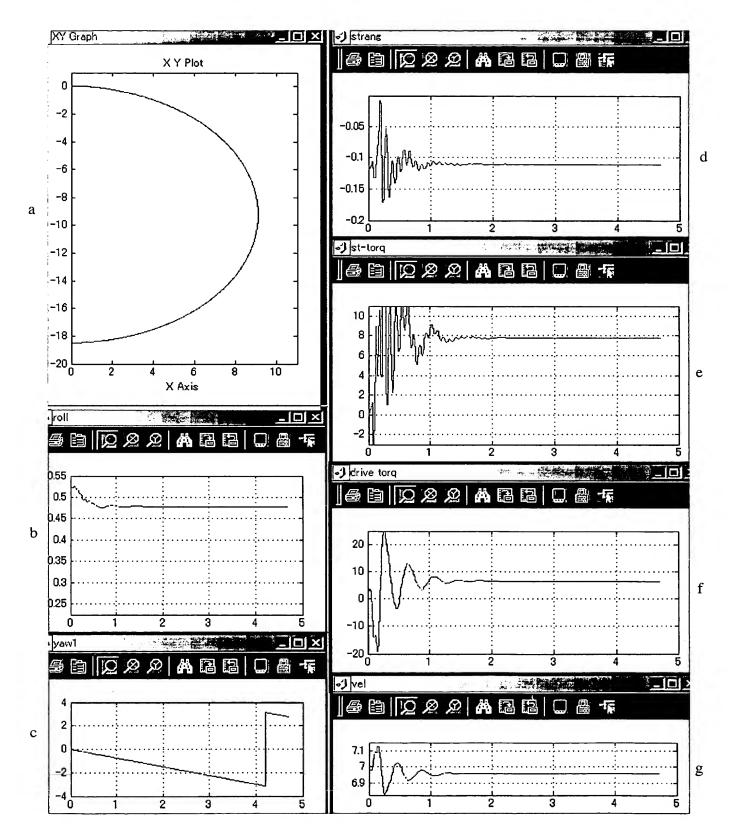


Figure 17

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

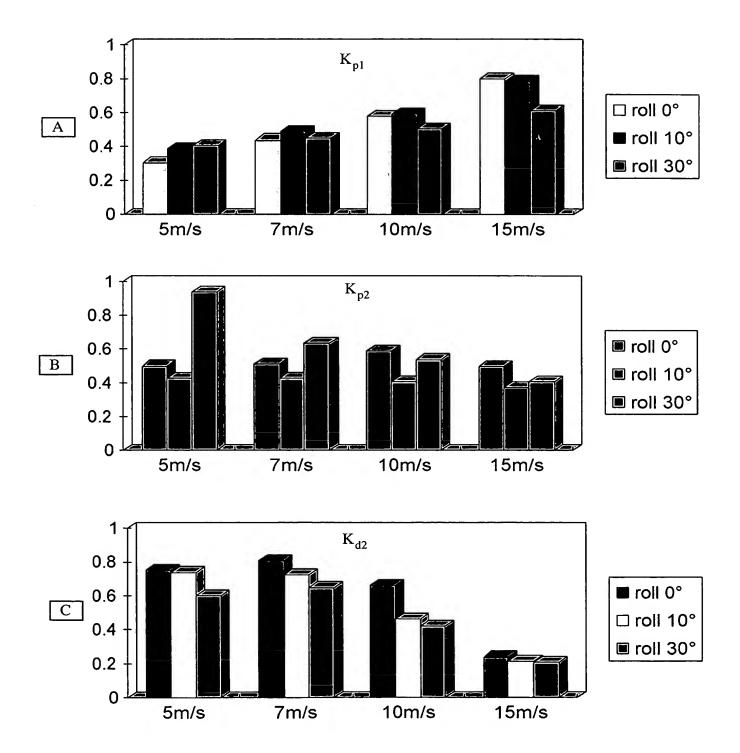


Figure 18

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

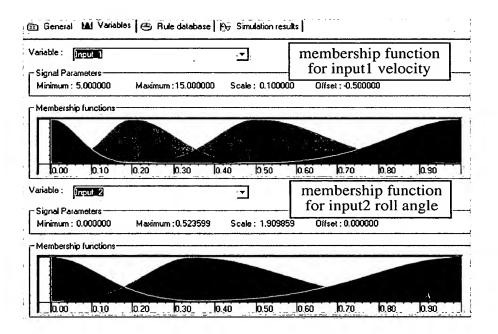
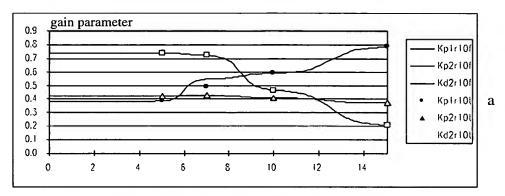


Figure 19

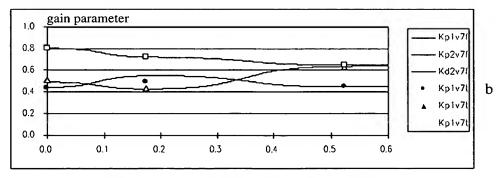
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

Application Number: 10/792,292



Lines: Fuzzy controller output (roll 10 deg) point: Teaching signal (roll 10 deg)



Lines: Fuzzy controller output (vel. 7 m/s) point: Teaching signal (vel. 7 m/s)

Figure 20

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

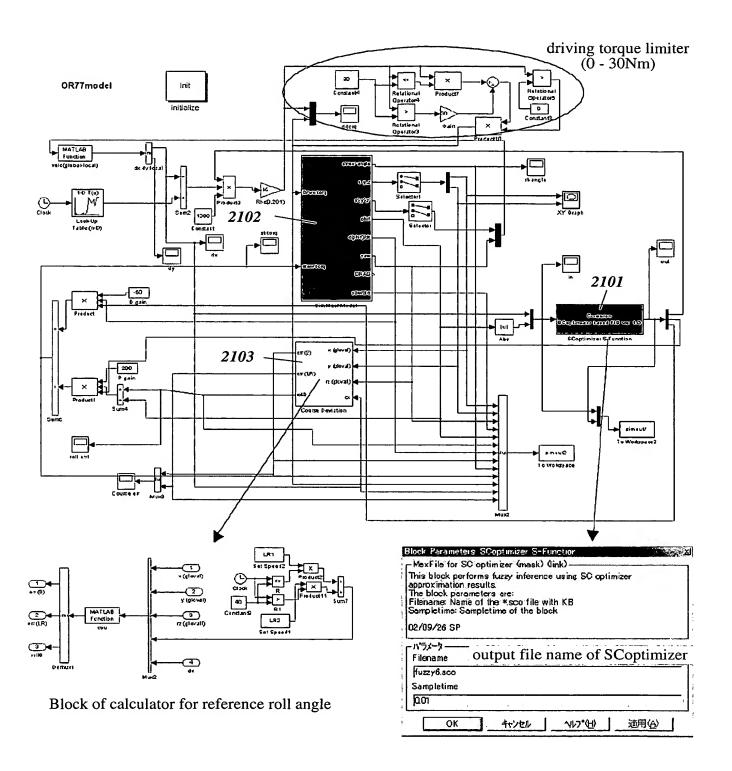
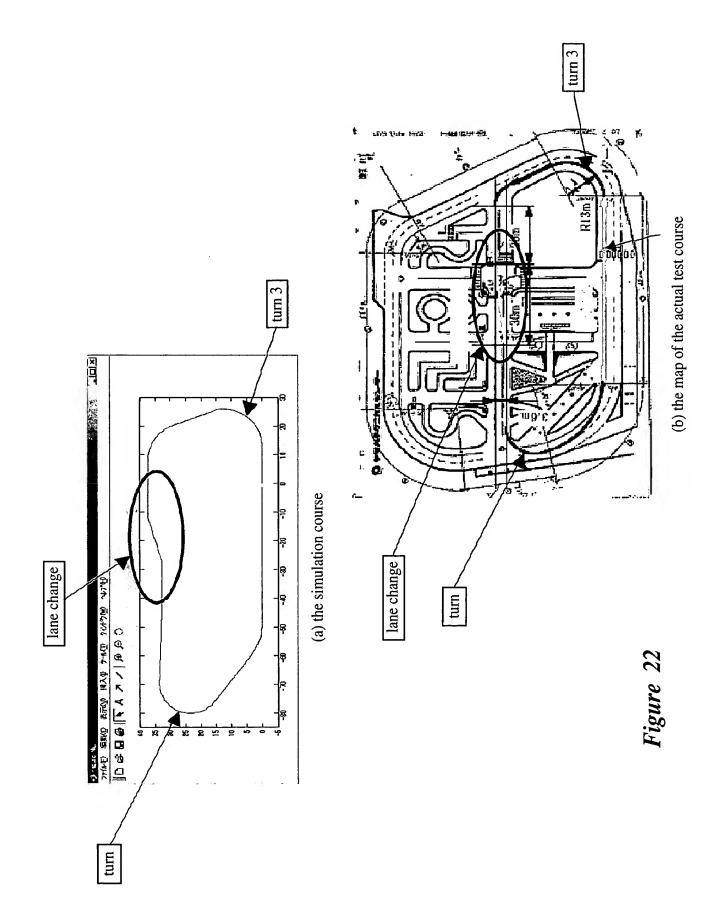


Figure 21

Attorney Docket Number: FY.51395US0A Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

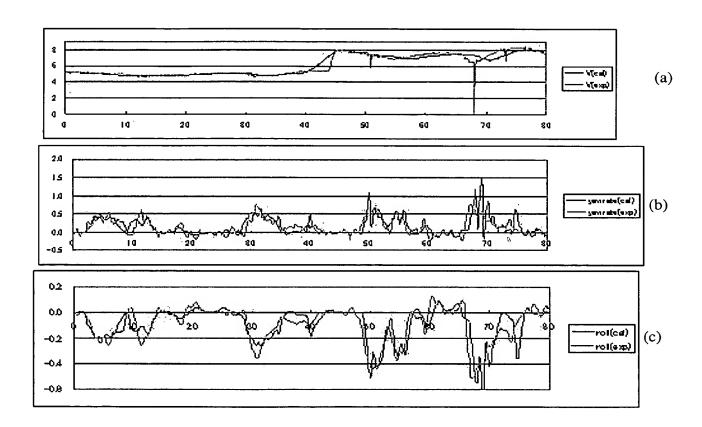


Figure 23 (a-c from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

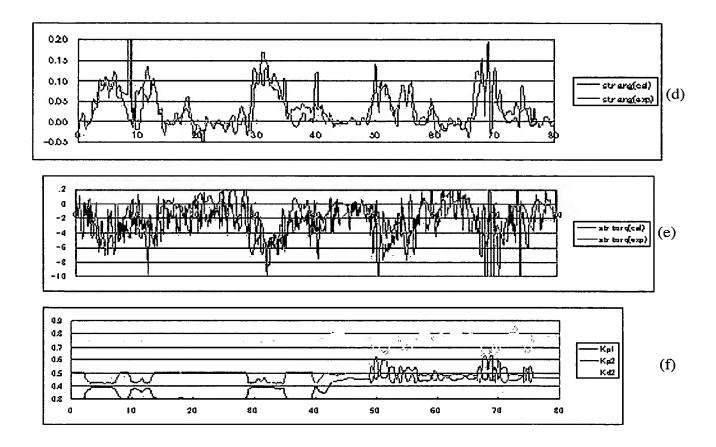


Figure 23 (d-f from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

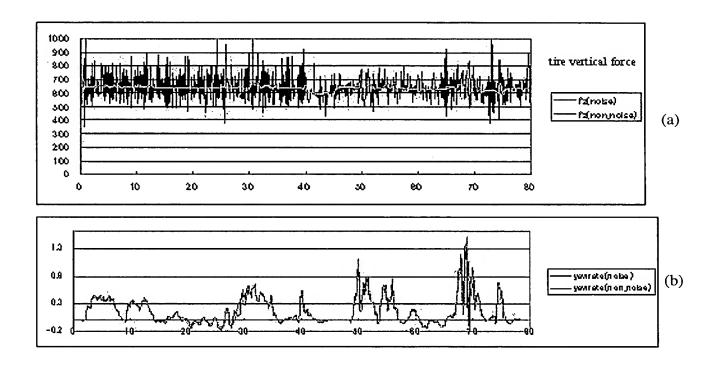


Figure 24
(a-b from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

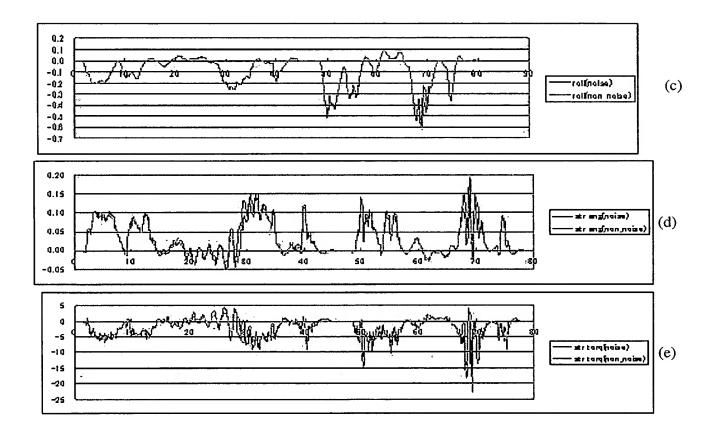


Figure 24 (c-e from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

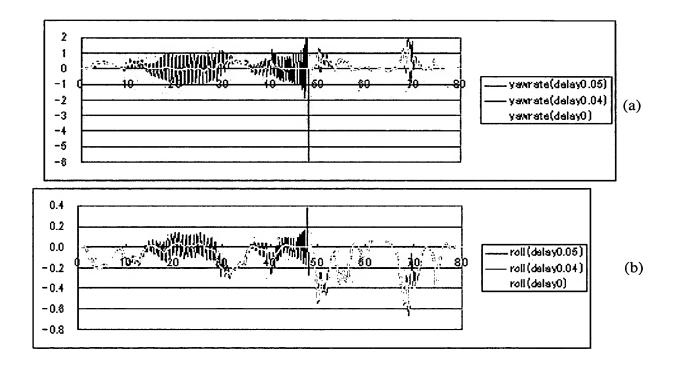


Figure 25 (a-b from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

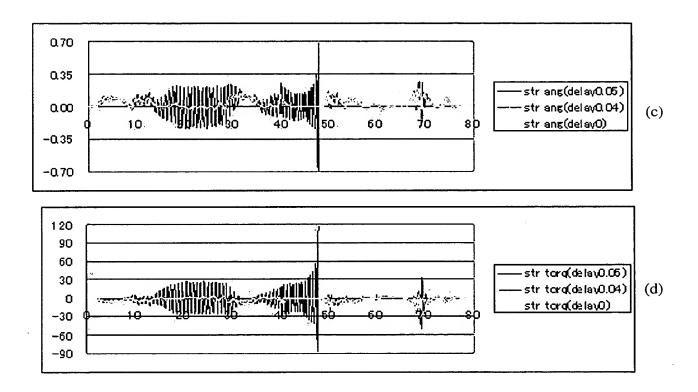
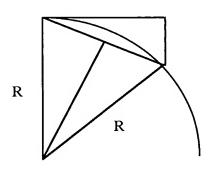


Figure 25 (c-d from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



(a) Relation between deviation of course at length of reference and turning radius

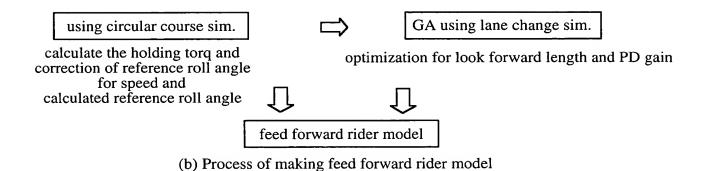


Figure 26

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

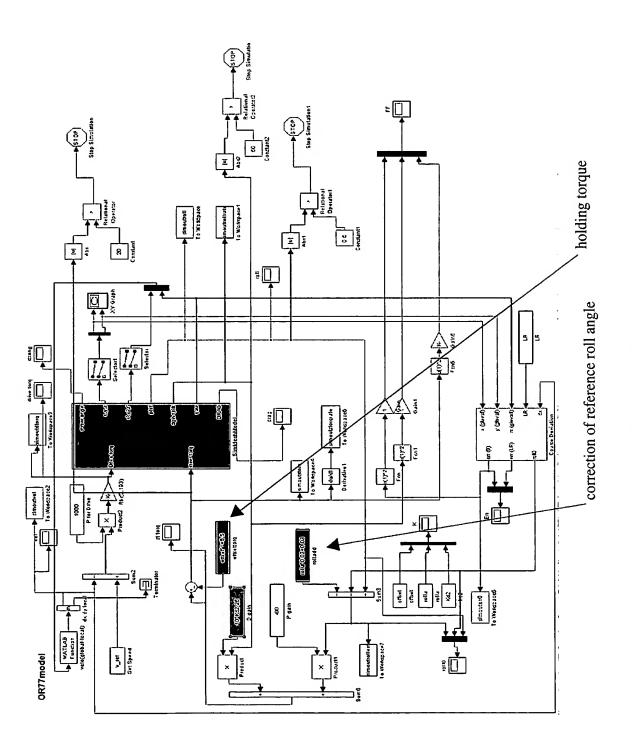
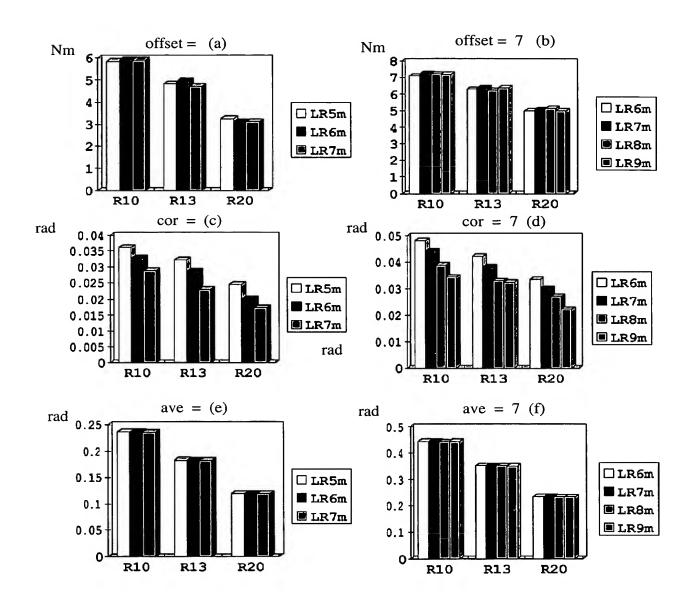


Figure 27

Applicant: Fujii et al.

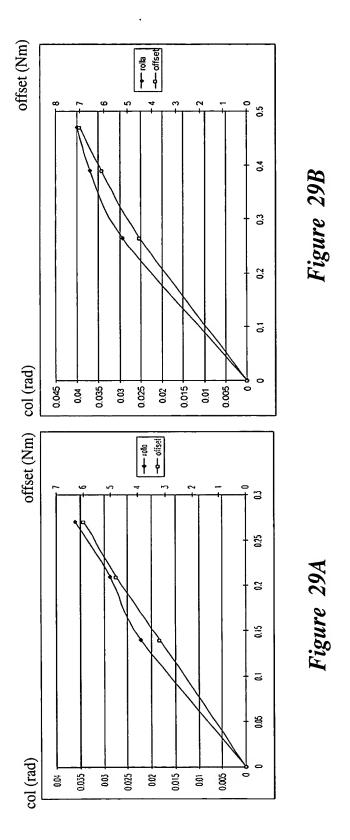
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



*Figure 28 (a-f)* 

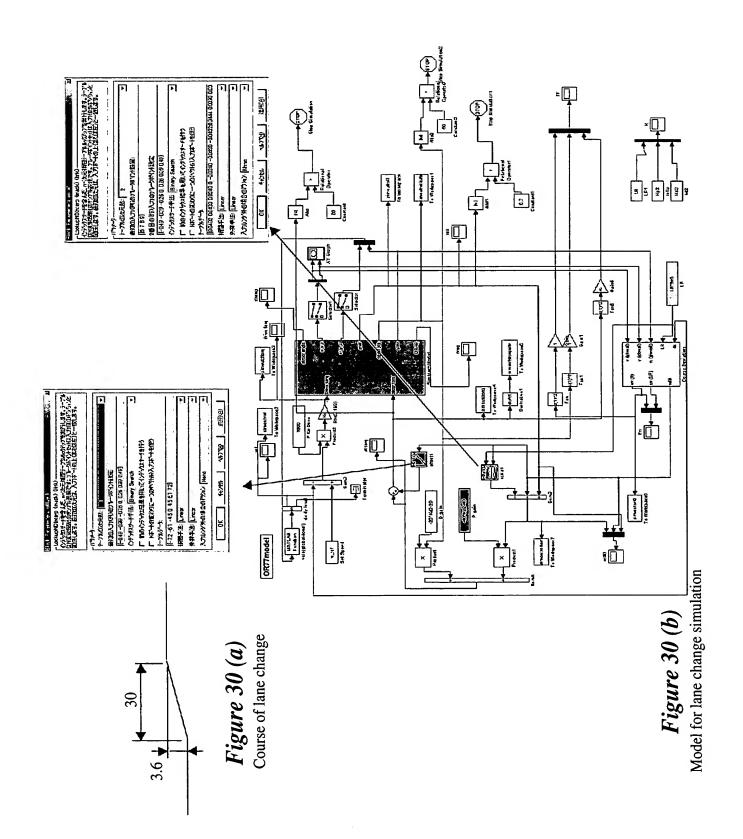
Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR

MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

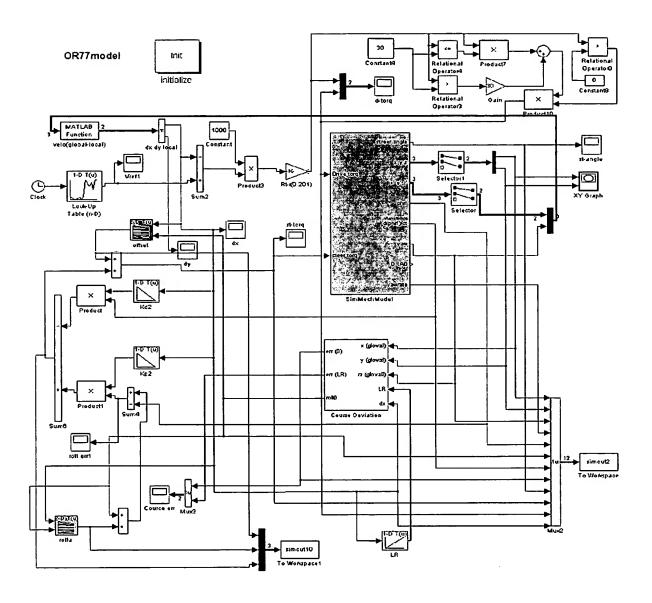
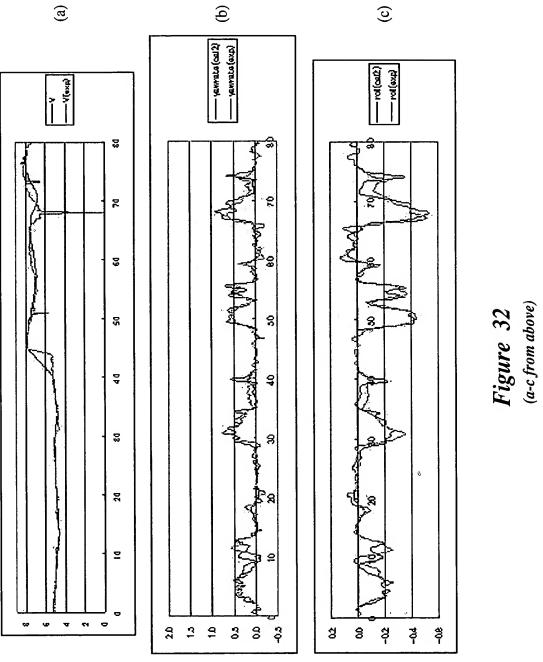


Figure 31

Attorney Docket Number: FY.51395US0A
Applicant: Fujii et al.
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR
MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR
MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

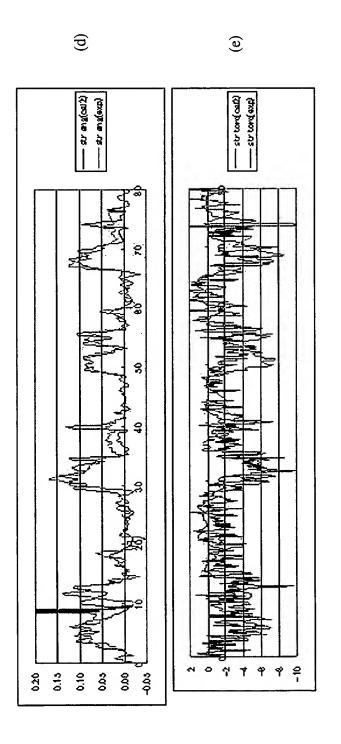


Figure 32 (d-e from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

Augustian Number 10/702 202

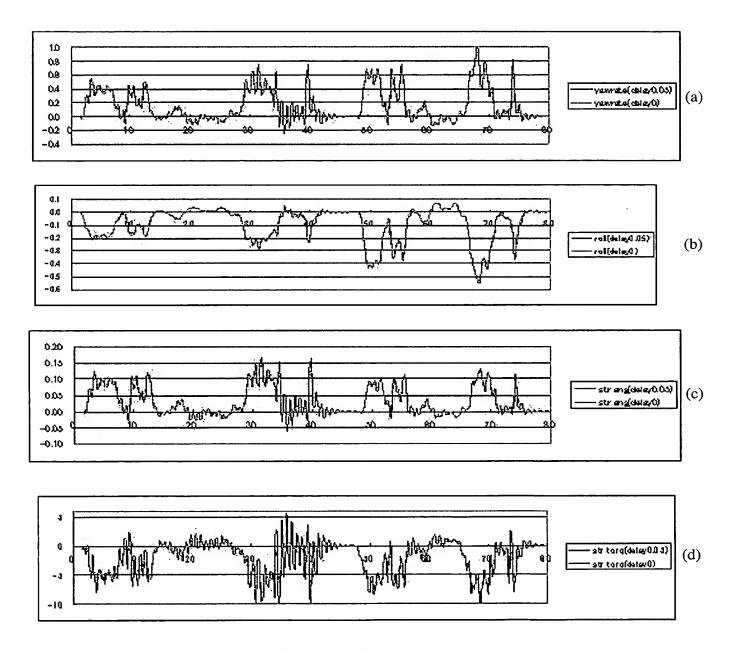
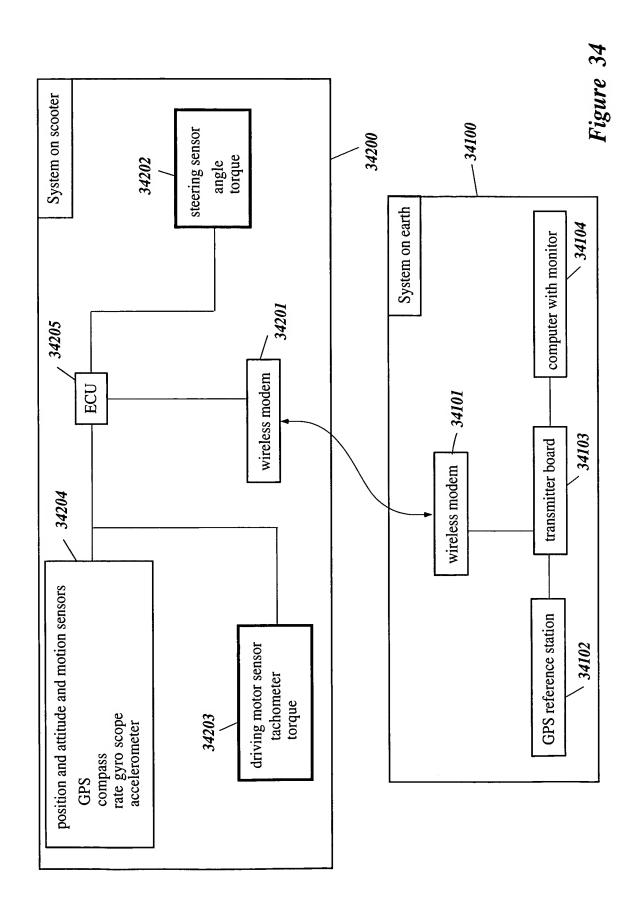


Figure 33 (a-d from above)

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER



Attorney Docket Number: FY.51395US0A
Applicant: Fujii et al.
Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR
MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

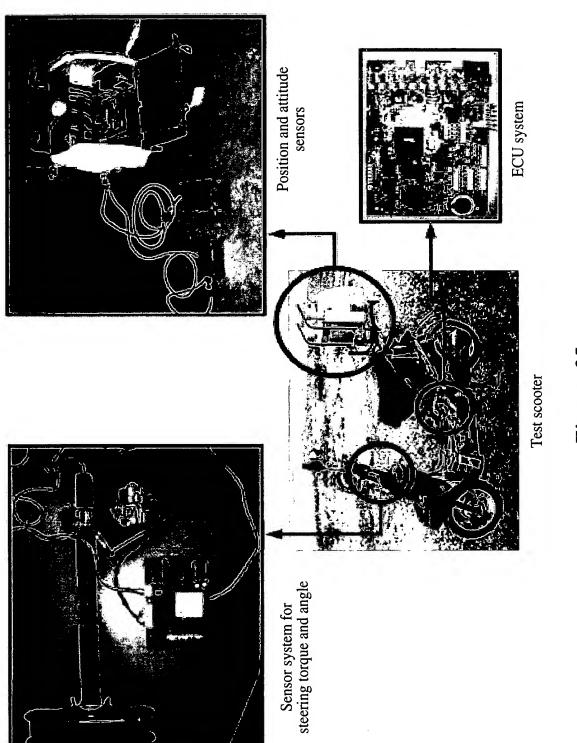
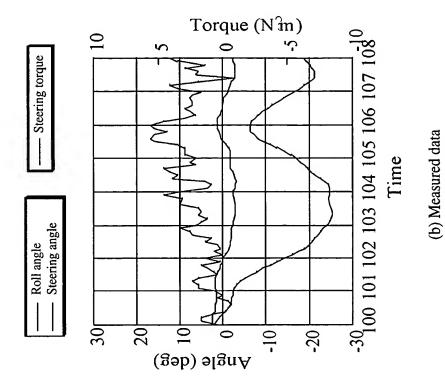


Figure 35

Applicant: Fujii et al.

Title: INTELLIGENT ROBUST CONTROL SYSTEM FOR MOTORCYCLE USING SOFT COMPUTING OPTIMIZER

Application Number: 10/792,292



在在行器 (m) 38 (sec.)

₹ 33.6 A

# D 33

1.1.1627 | USD | U

F.F.G.7 (a/1)

(a) Realtime monitor of position and attitude

Figure 36

## This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER: \_\_\_\_

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.